EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	"20050096900"	US-PGPUB; USPAT	OR	ON	2007/05/24 09:59
S2	16	robert.in. AND bossemeyer.in. AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/04 11:17
S3	561	william.in. AND williams.in. AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/05/24 10:09
S5	2	(william ADJ williams).in. AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/05/24 10:09
S8	575	(S2 OR S3) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/05/24 10:43
S10	23	(S2 OR S3) AND 704/219.ccls.	US-PGPUB; USPAT	OR	ON	2007/05/24 16:45
S11	22	S10 NOT S2	US-PGPUB; USPAT	OR	ON	2007/05/24 16:45
S13	3	glottal ADJ event$3	US-PGPUB; USPAT	OR	ON	2007/05/29 17:09
S14	163	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/06 09:16
S16	142	S14 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/06 09:17
S17	58	S16 AND recognition	US-PGPUB; USPAT	OR	ON	2007/06/06 09:17
S18	164	704/206.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 14:43
S19	293	704/208.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 14:45
S20	889	704/219.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 14:45
S21	534	704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/16 10:33
S22	80	704/247.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 15:37
S23	72	704/248.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/16 13:27
S24	104	704/249.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 15:37
S25	142	704/250.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/07 15:38
S26	187	LPC AND glottal	US-PGPUB; USPAT	OR	ON	2007/06/07 16:01
S27	175	S26 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/07 16:01

EAST Search History

S28	75	S27 and recognition	US-PGPUB; USPAT	OR	ON	2007/06/07 16:09
S29	163	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/07 16:09
S30	142	S29 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/07 16:09
S31	58	S30 AND recognition	US-PGPUB; USPAT	OR	ON	2007/06/07 16:09
S33	2080	(S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25) NOT (S31 OR S28)	US-PGPUB; USPAT	OR	ON	2007/06/07 16:12
S34	163	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/08 07:27
S35	163	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/08 07:28
S36	142	S35 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/08 07:28
S37	58	S36 AND recognition	US-PGPUB; USPAT	OR	ON	2007/06/08 07:28
S38	187	LPC AND glottal	US-PGPUB; USPAT	OR	ON	2007/06/08 07:28
S39	175	S38 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/08 07:28
S40	75	S39 and recognition	US-PGPUB; USPAT	OR	ON	2007/06/08 07:28
S41	58	S36 AND recognition	US-PGPUB; USPAT	OR	ON	2007/06/08 07:57
S42	44	S40 NOT S37	US-PGPUB; USPAT	OR	ON	2007/06/08 07:57
S43	75	S39 and recognition	US-PGPUB; USPAT	OR	ON	2007/06/08 07:57

EAST Search History

| S44 | 209 | (US-20050096900-$ or US-20070094021-$ or US-20070100631-$ or US-20070100629-$ or US-20060217966-$ or US-20050222842-$ or US-20050171774-$ or US-20050154584-$ or US-20050071154-$ or US-20050049856-$ or US-20040153317-$ or US-20040002856-$ or US-20030158728-$ or US-20030078768-$ or US-20030004718-$ or US-20020193994-$ or US-20020173949-$ or US-20020026315-$ or US-20010051871-$ or US-20060074678-$ or US-20060074677-$ or US-20060009975-$ or US-20050131681-$ or US-20040243404-$ or US-20040210439-$ or US-20040073427-$).did. or (US-20030065506-$ or US-20030097260-$ or US-20020120450-$ or US-20010044722-$ or US-20020049594-$ or US-20010023396-$ or US-20070101313-$ or US-20060098809-$ or US-20060089959-$ or US-20060089958-$ or US-20050117762-$ or US-20050090897-$ or US-20040057586-$ or US-20040024455-$ or US-20030167077-$ or US-20070100608-$ or US-20060149532-$ or US-20050278167-$ or US-20020143526-$ or US-20010021905-$ or US-20010010039-$ or US-20050060153-$ or US-20050246168-$ or US-20050125227-$ or US-20040083100-$ or US-20020085451-$ or US-20040073428-$).did. or (US-20040030555-$ or US-20030097254-$ or US-20020184012-$).did. or (US-6564181-$ or US-5623609-$ or US-5163110-$ or US-4401850-$ or US-4276445-$ or US-4004096-$ or | US-PGPUB; USPAT | OR | ON | 2007/06/13 10:57 |

EAST Search History

S49	9	S44 AND (704/246.ccls. OR 704/247.ccls. OR 704/248.ccls. OR 704/249.ccls. OR 704/250.ccls.)	US-PGPUB; USPAT	OR	ON	2007/06/13 11:01
S50	1	glottal ADJ event	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/13 16:05
S51	1	glott$2 ADJ event$1	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/13 14:29
S52	5	glott$2 AND LPC	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/13 14:30
S53	3	o'shaughnessy AND cheng AND (glottal ADJ closure)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/13 16:06
S54	574	704/207.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/13 16:32
S55	214	704/273.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/13 16:22
S56	589	704/235.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/13 16:22
S57	534	704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/13 16:22
S58	1278	S54 OR S55 OR S57	US-PGPUB; USPAT	OR	ON	2007/06/13 16:22
S59	1278	S58 or S57	US-PGPUB; USPAT	OR	ON	2007/06/13 16:23
S60	1843	S58 or S56	US-PGPUB; USPAT	OR	ON	2007/06/13 16:26
S61	84	S59 AND glott$2	US-PGPUB; USPAT	OR	ON	2007/06/13 16:26
S62	293	704/208.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/13 16:33
S63	129	704/208.ccls. AND recogni$4	US-PGPUB; USPAT	OR	ON	2007/06/13 16:33

| S65 | 25 | ("4401855" \| "4862503" \| "4959865" \| "5171930" \| "5251261" \| "5326349" \| "5454375" \| "5473726" \| "5522013" \| "5528726" \| "5573012" \| "5659658" \| "5668925" \| "5717828" \| "5729694" \| "5794203" \| "6006175" \| "6055499" \| "6081776" \| "6240386" \| "6411925" \| "6415253" \| "6526139" \| "6526376" \| "6560575").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/06/14 08:05 |

| S66 | 300 | (US-20020032563-$ or
US-20040193406-$ or
US-20050278167-$ or
US-20050060153-$ or
US-20020065649-$ or
US-20070094021-$ or
US-20050096900-$ or
US-20060129390-$ or
US-20070054249-$ or
US-20020099541-$ or
US-20050283360-$ or
US-20060074678-$ or
US-20050049856-$ or
US-20050171774-$ or
US-20030078768-$ or
US-20020026315-$ or
US-20060229868-$ or
US-20020085451-$ or
US-20070100608-$ or
US-20040083100-$ or
US-20020184012-$ or
US-20020143526-$ or
US-20010021905-$ or
US-20030171936-$ or
US-20030026436-$ or
US-20040005064-$).did. or
(US-20030163316-$ or
US-20040005065-$ or
US-20040022392-$ or
US-20040099126-$ or
US-20050008144-$ or
US-20050190069-$ or
US-20050246168-$ or
US-20030097254-$ or
US-20050033126-$ or
US-20020099412-$ or
US-20060217967-$ or
US-20050008145-$ or
US-20050287911-$ or
US-20020131604-$ or
US-20070111173-$ or
US-20030046036-$ or
US-20050102135-$ or
US-20030088417-$ or
US-20030028376-$ or
US-20030069729-$ or
US-20040179697-$ or
US-20060190257-$ or
US-20020059071-$).did. or
(US-H002172-$ or US-6411933-$ or
US-6349277-$ or US-6125344-$ or
US-6047254-$ or US-6026357-$ or
US-5963895-$ or US-5799276-$ or
US-5933808-$ or US-5864795-$ or
US-5671330-$ or US-5774836-$ or
US-5666466-$ or US-5696873-$ or
US-5381512-$ or US-5495555-$ or
US-5054072-$ or US-4561102-$ or
US-4792975-$ or US-4276445-$ or | US-PGPUB;
USPAT | OR | ON | 2007/06/14 11:10 |

S67	8	S66 and 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 16:07
S68	27	pitch AND (glottal ADJ cycle) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/14 15:32
S69	1	S68 AND 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 15:32
S70	0	S68 AND 704/247.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 15:32
S71	0	S68 AND 704/248.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 15:32
S72	0	S68 AND 704/249.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 15:32
S73	2	S68 AND 704/250.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 15:39
S74	39	(704/246.ccls. OR 704/247.ccls. OR 704/248.ccls. OR 704/249.ccls. OR 704/250) AND ((pitch ADJ period) OR (pitch ADJ cycle))	US-PGPUB; USPAT	OR	ON	2007/06/14 15:41

| S75 | 300 | (US-20020032563-$ or US-20040193406-$ or US-20050278167-$ or US-20050060153-$ or US-20020065649-$ or US-20070094021-$ or US-20050096900-$ or US-20060129390-$ or US-20070054249-$ or US-20020099541-$ or US-20050283360-$ or US-20060074678-$ or US-20050049856-$ or US-20050171774-$ or US-20030078768-$ or US-20020026315-$ or US-20060229868-$ or US-20020085451-$ or US-20070100608-$ or US-20040083100-$ or US-20020184012-$ or US-20020143526-$ or US-20010021905-$ or US-20030171936-$ or US-20030026436-$ or US-20040005064-$).did. or (US-20030163316-$ or US-20040005065-$ or US-20040022392-$ or US-20040099126-$ or US-20050008144-$ or US-20050190069-$ or US-20050246168-$ or US-20030097254-$ or US-20050033126-$ or US-20020099412-$ or US-20060217967-$ or US-20050008145-$ or US-20050287911-$ or US-20020131604-$ or US-20070111173-$ or US-20030046036-$ or US-20050102135-$ or US-20030088417-$ or US-20030028376-$ or US-20030069729-$ or US-20040179697-$ or US-20060190257-$ or US-20020059071-$).did. or (US-H002172-$ or US-6411933-$ or US-6349277-$ or US-6125344-$ or US-6047254-$ or US-6026357-$ or US-5963895-$ or US-5799276-$ or US-5933808-$ or US-5864795-$ or US-5671330-$ or US-5774836-$ or US-5666466-$ or US-5696873-$ or US-5381512-$ or US-5495555-$ or US-5054072-$ or US-4561102-$ or US-4792975-$ or US-4276445-$ or | US-PGPUB; USPAT | OR | ON | 2007/06/14 16:07 |

EAST Search History

S76	8	S75 and 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/14 16:07
S77	68	S76 OR S74 OR S68	US-PGPUB; USPAT	OR	ON	2007/06/14 16:08
S78	164	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/19 15:48
S79	28	glottal ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/19 15:48
S80	3	glottal ADJ event	US-PGPUB; USPAT	OR	ON	2007/06/19 15:49
S81	45	glottal ADJ waveform	US-PGPUB; USPAT	OR	ON	2007/06/19 15:49
S82	957	glottic OR glotidean OR glotide OR glottis	US-PGPUB; USPAT	OR	ON	2007/06/19 17:15
S83	2169	pitch ADJ period	US-PGPUB; USPAT	OR	ON	2007/06/19 15:50
S84	487	pitch ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/19 15:50
S85	6533	LPC	US-PGPUB; USPAT	OR	ON	2007/06/19 15:50
S86	26624	(voice ADJ recognition) OR (speaker ADJ verification) OR (speaker ADJ identification)	US-PGPUB; USPAT	OR	ON	2007/06/19 15:51
S87	2018	(S83 OR S84) AND compar$4	US-PGPUB; USPAT	OR	ON	2007/06/19 17:15
S88	219	S78 OR S79 OR S80 OR S81	US-PGPUB; USPAT	OR	ON	2007/06/19 16:10
S89	1546	(S83 OR S84) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/27 16:19
S90	1248	S87 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/19 17:17
S91	89	S88 AND S89 AND S90	US-PGPUB; USPAT	OR	ON	2007/06/19 16:18
S92	1	S91 and 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/19 16:24
S93	77	glottal ADJ excitation	US-PGPUB; USPAT	OR	ON	2007/06/19 17:22
S94	144	S91 OR S93	US-PGPUB; USPAT	OR	ON	2007/06/19 16:25
S95	22	S91 AND S93	US-PGPUB; USPAT	OR	ON	2007/06/19 17:01
S96	431	704/246.ccls. AND (locat$3 OR detect$3)	US-PGPUB; USPAT	OR	ON	2007/06/19 17:02

S97	2	S96 and S88	US-PGPUB; USPAT	OR	ON	2007/06/19 17:02
S98	219	S78 OR S79 OR S80 OR S81	US-PGPUB; USPAT	OR	ON	2007/06/19 17:15
S99	265	S93 or S98	US-PGPUB; USPAT	OR	ON	2007/06/19 17:22
S10 0	2169	pitch ADJ period	US-PGPUB; USPAT	OR	ON	2007/06/20 12:58
S10 1	487	pitch ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/20 12:58
S10 2	2018	(S100 OR S101) AND compar$4	US-PGPUB; USPAT	OR	ON	2007/06/20 12:58
S10 3	164	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/20 12:59
S10 4	28	glottal ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/20 12:59
S10 5	3	glottal ADJ event	US-PGPUB; USPAT	OR	ON	2007/06/20 12:59
S10 6	45	glottal ADJ waveform	US-PGPUB; USPAT	OR	ON	2007/06/20 12:59
S10 7	77	glottal ADJ excitation	US-PGPUB; USPAT	OR	ON	2007/06/20 12:59
S10 8	219	S103 OR S104 OR S105 OR S106	US-PGPUB; USPAT	OR	ON	2007/06/20 13:19
S11 2	265	S107 or S108	US-PGPUB; USPAT	OR	ON	2007/06/20 13:00
S11 7	1546	(S100 OR S101) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/20 13:04
S11 9	164	glottal ADJ pulse	US-PGPUB; USPAT	OR	ON	2007/06/21 08:08
S12 0	28	glottal ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/21 08:08
S12 1	3	glottal ADJ event	US-PGPUB; USPAT	OR	ON	2007/06/21 08:08
S12 2	45	glottal ADJ waveform	US-PGPUB; USPAT	OR	ON	2007/06/21 08:08
S12 3	219	S119 OR S120 OR S121 OR S122	US-PGPUB; USPAT	OR	ON	2007/06/21 08:08
S12 4	77	glottal ADJ excitation	US-PGPUB; USPAT	OR	ON	2007/06/21 08:09
S12 5	265	S124 or S123	US-PGPUB; USPAT	OR	ON	2007/06/21 08:09
S12 6	2172	pitch ADJ period	US-PGPUB; USPAT	OR	ON	2007/06/21 08:09

S12 7	487	pitch ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/21 08:09
S12 8	2021	(S126 OR S127) AND compar$4	US-PGPUB; USPAT	OR	ON	2007/06/27 18:06
S12 9	1249	S128 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/21 08:09
S13 0	431	704/246.ccls. AND (locat$3 OR detect$3)	US-PGPUB; USPAT	OR	ON	2007/06/21 08:09
S13 1	60	biometric AND 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/25 09:08
S13 2	3	S131 and glott$3	US-PGPUB; USPAT	OR	ON	2007/06/21 11:25
S13 3	474	glott$3 AND (locat$3 OR detect$3 OR identif$8) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/21 11:27
S13 4	117	S133 AND (704/246.ccls. OR 704/219.ccls OR 704/207-209.ccls. OR 704/237-239.ccls OR 704/273. ccls OR 704/235.ccls.)	US-PGPUB; USPAT	OR	ON	2007/06/21 11:29
S13 5	285	(pitch ADJ synchron$5) AND "704". clas.	US-PGPUB; USPAT	OR	ON	2007/06/22 10:30
S13 6	2	(pitch ADJ synchron$5) AND 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/22 10:29
S13 7	1	("20070100620").PN.	US-PGPUB; USPAT	OR	OFF	2007/06/25 09:08
S13 8	25	("4561102").URPN.	USPAT	OR	ON	2007/06/26 16:52
S13 9	9	("3511932" | "3770892" | "3940565" | "4561102" | "4809331" | "4862503" | "5091948" | "5479564").PN. OR ("6470308"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/26 16:53
S14 0	9	("3511932" | "3770892" | "3940565" | "4561102" | "4809331" | "4862503" | "5091948" | "5479564").PN. OR ("6470308"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 15:40
S15 3	18	("3456080" | "3466394" | "3700815" | "3989896" | "4403114" | "4581755").PN. OR ("5091948"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 15:56
S15 4	14	("4078154" | "5054085" | "5091948" | "5457769" | "5522012").PN. OR ("5666466"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 15:58
S15 5	2175	pitch ADJ period	US-PGPUB; USPAT	OR	ON	2007/06/27 16:19

S15 6	487	pitch ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/27 16:19
S15 7	1549	(S155 OR S156) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/27 16:19
S15 8	22	S157 AND 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/27 16:19
S15 9	4	S158 and glott$3	US-PGPUB; USPAT	OR	ON	2007/06/27 16:20
S16 0	22	("3466394" | "3509280" | "3700815").PN. OR ("4032711"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 16:21
S16 1	60	("3991271" | "4013837" | "4020285" | "4100370" | "4468204" | "4534056" | "4590604" | "4797672" | "4821027" | "4864642" | "4865072" | "5023901" | "5054083" | "5127043" | "5142565" | "5216720" | "5245694" | "5265191" | "5297194" | "5365574" | "5414755" | "5461697" | "5499288" | "5502759" | "5623539" | "5625747" | "5666466" | "5774525" | "5774858").PN. OR ("5913196").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 16:34
S16 2	18	("3456080" | "3466394" | "3700815" | "3989896" | "4403114" | "4581755").PN. OR ("5091948"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 16:37
S16 3	9	GCI and "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/27 17:42
S16 4	4	704/207.ccls. AND 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/27 17:42
S16 5	19	("5444673").PN. OR ("5704009"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/27 17:44
S16 6	2175	pitch ADJ period	US-PGPUB; USPAT	OR	ON	2007/06/27 18:06
S16 7	487	pitch ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/06/27 18:06
S16 8	2024	(S166 OR S167) AND compar$4	US-PGPUB; USPAT	OR	ON	2007/06/27 18:06
S16 9	1251	S168 and "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/27 18:06
S17 0	188	detect$3 AND glottal AND (pulse OR closure) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/27 18:27
S17 1	3	S170 AND 704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/27 18:27

S17 2	8	hermansky.in. AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/06/28 10:24
S17 3	103	704/261.ccls.	US-PGPUB; USPAT	OR	ON	2007/06/28 14:09
S17 4	51	(glottal ADJ closure) AND "704". clas.	US-PGPUB; USPAT	OR	ON	2007/07/02 11:41
S17 5	24	S174 AND LPC	US-PGPUB; USPAT	OR	ON	2007/07/02 14:58
S17 6	9	GCI and "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/02 14:58
S17 7	1	glottal ADJ event	FPRS; EPO; JPO; DERWENT	OR	ON	2007/07/03 17:12
S17 8	8	("3456080" | "3466394" | "3700815" | "3989896" | "4403114" | "4581755").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/06 14:14
S18 2	0	LPC and "704".clas.	USOCR	OR	ON	2007/07/06 14:28
S18 3	183	LPC and "704".clas. and @pd<="19900101"	USPAT; USOCR	OR	ON	2007/07/06 14:30
S18 4	38	LPC and "704".clas. and @pd<="19850101"	USPAT; USOCR	OR	ON	2007/07/06 14:30
S18 5	10	("5091948").URPN.	USPAT	OR	ON	2007/07/06 14:37
S18 6	506	LPC AND residual AND square AND error AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/10 14:48
S18 7	336	LPC AND residual AND square AND error AND "704".clas. AND pulse	US-PGPUB; USPAT	OR	ON	2007/07/10 14:48
S18 8	18	("4520499").URPN.	USPAT	OR	ON	2007/07/10 18:21
S19 3	9	glottal AND pulse AND 704/246-250.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/11 16:00
S19 4	6	"5577160"	US-PGPUB; USPAT	OR	ON	2007/07/11 16:01
S19 5	25	("4561102").URPN.	USPAT	OR	ON	2007/07/16 09:52
S19 6	0	S195 and 704/246-250.ccls.	USPAT	OR	ON	2007/07/16 09:52
S19 7	3	S195 AND ((voice OR speaker) NEAR (recognition OR identification OR verification))	USPAT	OR	ON	2007/07/16 09:55
S19 8	3	S195 AND ((voice OR speaker) NEAR (recogn$5 OR identif$7 OR verif$7))	USPAT	OR	ON	2007/07/16 09:58

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S19 9	634	(pitch NEAR5 (detect$4 OR determin$5)) AND (time ADJ domain)	USPAT	OR	ON	2007/07/16 09:59
S20 0	393	S199 and "704".clas.	USPAT	OR	ON	2007/07/16 09:59
S20 1	262	S200 AND LPC	USPAT	OR	ON	2007/07/16 10:00
S20 2	32	S201 AND ((voice or speaker) NEAR (recogn$5 OR identif$7 OR verif$7))	USPAT	OR	ON	2007/07/16 10:11
S20 3	1	"3553372".pn.	USPAT	OR	ON	2007/07/16 10:11
S20 4	541	704/246.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/16 10:33
S20 5	33	S204 AND (time ADJ domain)	US-PGPUB; USPAT	OR	ON	2007/07/16 10:36
S20 6	215	704/273.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/16 10:41
S20 7	27	S206 AND (time ADJ domain)	US-PGPUB; USPAT	OR	ON	2007/07/16 11:11
S20 8	4886	"704".clas. AND ((voice OR speaker) NEAR (recogn$5 OR identif$7 OR verif$7))	US-PGPUB; USPAT	OR	ON	2007/07/16 11:11
S20 9	1689	S208 AND (digitiz$3 OR A/D)	US-PGPUB; USPAT	OR	ON	2007/07/16 11:12
S21 0	304	S209 and voiced	US-PGPUB; USPAT	OR	ON	2007/07/16 11:12
S21 1	159	S210 and pitch	US-PGPUB; USPAT	OR	ON	2007/07/16 11:13
S21 2	11	S211 AND 704/246-250.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/16 11:13
S21 3	18	("3456080" | "3466394" | "3700815" | "3989896" | "4403114" | "4581755").PN. OR ("5091948"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 11:14
S21 4	1	"5121428".pn.	US-PGPUB; USPAT	OR	ON	2007/07/16 14:36
S21 5	16	("4336421").PN. OR ("5121428"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/16 14:20
S21 6	2935	time AND domain AND speaker AND verification AND system	US-PGPUB; USPAT	OR	ON	2007/07/16 14:36
S21 7	479	S216 and "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/16 14:37
S21 8	161	S217 AND ((analog-to-digital ADJ converter) OR (A/D ADJ converter))	US-PGPUB; USPAT	OR	ON	2007/07/16 14:37

| S21 9 | 30 | S218 AND (voiced ADJ speech) | US-PGPUB; USPAT | OR | ON | 2007/07/16 14:42 |
| S22 0 | 13 | valery.in. AND (petrushin OR pertrushin) AND "704".clas. | US-PGPUB; USPAT | OR | ON | 2007/07/16 14:42 |

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"5577160"	US-PGPUB; USPAT	OR	ON	2007/07/11 16:07
S2	8	("3649765" | "4142067" | "4922539").PN. OR ("5577160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/11 16:27
S3	25	(impulse ADJ response) AND 704/246-250.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/11 16:17
S4	1	"5577160".PN.	DERWENT	OR	ON	2007/07/11 16:28
S5	2	glottal ADJ pulse ADJ response	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 17:18
S6	8	(vocal ADJ tract)NEAR response	FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/11 17:19
S7	90	(vocal ADJ tract)NEAR response	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/11 17:22
S8	86	S7 AND "704".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/11 17:22
S10	6	S7 and 704/246-250.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/11 18:12
S11	4	(glottal ADJ waveform) AND ((speaker OR voice) NEAR (identification OR verification OR recognition))	US-PGPUB; USPAT	OR	ON	2007/07/12 10:38
S12	0	(glottal ADJ waveform) AND ((speaker OR voice) NEAR (identification OR verification OR recognition))	USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/12 10:36
S13	0	(glottal ADJ pulse) NEAR event	US-PGPUB; USPAT	OR	ON	2007/07/12 10:36
S14	28	glottal ADJ cycle	US-PGPUB; USPAT	OR	ON	2007/07/12 10:39
S15	28	(glottal ADJ waveform) AND detect$3	US-PGPUB; USPAT	OR	ON	2007/07/12 18:00
S16	28	(glottal ADJ waveform) AND match$3	US-PGPUB; USPAT	OR	ON	2007/07/12 19:57
S17	900	acoustic ADJ waveform	US-PGPUB; USPAT	OR	ON	2007/07/12 19:58

S18	5	closed NEAR glottis NEAR interval	US-PGPUB; USPAT	OR	ON	2007/07/12 20:12
S19	0	(isolate NEAR one) SAME (pitch NEAR period)	US-PGPUB; USPAT	OR	ON	2007/07/12 20:13
S20	707	GCI	US-PGPUB; USPAT	OR	ON	2007/07/12 20:13
S21	927	IGC	US-PGPUB; USPAT	OR	ON	2007/07/12 20:13
S22	184	S17 and "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:13
S23	9	S20 and "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:16
S24	0	S21 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:13
S25	11	detect$3 NEAR (glottal ADJ pulse)	US-PGPUB; USPAT	OR	ON	2007/07/12 20:17
S26	88	closed NEAR5 glottis	US-PGPUB; USPAT	OR	ON	2007/07/12 20:20
S28	27	S26 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:21
S30	3459	(voice ADJ print) OR voiceprint	US-PGPUB; USPAT	OR	ON	2007/07/12 20:22
S31	322	S30 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:22
S32	63	S31 and waveform	US-PGPUB; USPAT	OR	ON	2007/07/12 20:30
S33	999	(vocal ADJ tract) AND waveform	US-PGPUB; USPAT	OR	ON	2007/07/12 20:31
S34	849	S33 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:31
S35	439	S34 and (recognition OR verification OR identification)	US-PGPUB; USPAT	OR	ON	2007/07/12 20:32
S36	296	S35 AND match$3	US-PGPUB; USPAT	OR	ON	2007/07/12 20:33
S37	292	S36 AND (voice OR speaker)	US-PGPUB; USPAT	OR	ON	2007/07/12 20:35
S38	203	S37 AND pitch AND detect$3	US-PGPUB; USPAT	OR	ON	2007/07/12 20:39
S39	2	isolat$3 NEAR (pitch ADJ period) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:45
S40	258	((acoustic OR voice) ADJ waveform) AND (recognition OR identification OR verification) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:47

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S41	250	((acoustic OR voice) ADJ waveform) AND (recognition OR identification OR verification) AND (speaker OR voice) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:48
S42	121	(acoustic ADJ waveform) AND (recognition OR identification OR verification) AND (speaker OR voice) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:48
S43	135	(voice ADJ waveform) AND (recognition OR identification OR verification) AND (speaker OR voice) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 20:51
S44	21	((vocal ADJ tract) NEAR response NEAR (impulse OR pulse)) AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 21:06
S45	1330	((divid$3 OR separat$3) NEAR waveform) AND period AND (impulse OR pulse)	US-PGPUB; USPAT	OR	ON	2007/07/12 21:07
S46	64	S45 AND "704".clas.	US-PGPUB; USPAT	OR	ON	2007/07/12 21:09
S47	1958	704/207.ccls. 704/219.ccls. 704/261.ccls. 704/272.ccls. 704/273.ccls.	US-PGPUB; USPAT	OR	ON	2007/07/12 21:10
S48	1107	S47 AND period	US-PGPUB; USPAT	OR	ON	2007/07/12 21:10
S49	638	S48 AND waveform	US-PGPUB; USPAT	OR	ON	2007/07/12 21:10
S50	462	S49 and (impulse OR pulse)	US-PGPUB; USPAT	OR	ON	2007/07/12 21:11
S51	217	S50 AND (vocal ADJ tract)	US-PGPUB; USPAT	OR	ON	2007/07/12 21:11
S52	1	10/768946	US-PGPUB; USPAT	OR	ON	2007/07/12 21:40